

40. Rosenblatt R, Kutcher R, Moussouris HF, et al: Sonographically guided fine-needle aspiration of liver lesions. *JAMA* 1982; 248:1639-1641
41. Lieberman RP, Hafez GR, Crummy AB: Histology from aspiration biopsy. *AJR* 1982; 138:561-564
42. Pagani J: Biopsy of focal hepatic lesions. *Radiology* 1983; 147:673-675
43. Harter LP, Moss HA, Goldberg HI, et al: CT-guided fine-needle aspirations for diagnosis of benign and malignant disease. *AJR* 1983; 140:363-367
44. Grant EG, Richardson JD, Sonirniotopoulos JG, et al: Fine-needle biopsy directed by real-time sonography. *AJR* 1983; 141:29-32
45. Schwerk WB, Durr HK, Schmitz-Moormann P: Ultrasound guided fine-needle biopsies in pancreatic and hepatic neoplasms. *Gastrointest Radiol* 1983; 8:219-255
46. Whitlatch S, Nunez C, Pitlik DA: Fine needle aspiration biopsy of the liver. *Acta Cytol* (Baltimore) 1984; 28:719-725
47. Lees WR, Hall-Craggs MA, Manhire A: Five years' experience of fine-needle aspiration biopsy: 454 consecutive cases. *Clin Radiol* 1985; 36:517-520
48. Whitmire LF, Galambos JT, Phillips VM, et al: Imaging guided percutaneous hepatic biopsy: Diagnostic accuracy and safety. *J Clin Gastroenterol* 1985; 7:511-515
49. Bell DA, Carr CP, Szyfelbein WM: Fine needle aspiration cytology of focal liver lesions—Results obtained with examination of both cytologic and histologic preparations. *Acta Cytol* (Baltimore) 1986; 30:397-402
50. Limberg B, Hopker WW, Kommerell B: Histologic differential diagnosis of focal liver lesions by ultrasonically guided fine needle biopsy. *Gut* 1987; 28:237-241
51. Sautereau D, Vire O, Cazes PY, et al: Value of sonographically guided fine needle aspiration biopsy in evaluating the liver with sonographic abnormalities. *Gastroenterology* 1987; 93:715-718
52. Haaga JR, Vanek J: Computed tomographic guided liver biopsy using the Menghini needle. *Radiology* 1979; 133:405-408
53. Lundquist A: Fine-needle aspiration biopsy of the liver. *Acta Med Scand [Suppl]* 1971; 520:5-28
54. Lebrech D, Goldfarb G, Degott C, et al: Transvenous liver biopsy. *Gastroenterology* 1982; 83:338-340
55. Rosch J, Lakin PC, Antonovic R, et al: Transjugular approach to liver biopsy and transhepatic cholangiography. *N Engl J Med* 1973; 289:227-231

## Simple Treatment for Chronic Female Infections

ABOUT A THIRD OF WOMEN who come to see me have seen an average of four physicians previously and have had therapy for a chronic yeast infection. The trouble is, they do not have an infection at all; they have a mucositis due to some sort of irritating substance. I will just make one generalization: If a substance is colored, if it has a fragrance, or if it is alkaline, it is bad news for the vaginal mucous membrane. And, I think, as a general rule, you can treat these patients symptomatically with acidification and drying.

I have my patients—when they bathe or shower—wash the soap film off the vulvar and vaginal skin surfaces carefully, and dry themselves off thoroughly with a soft cotton towel. Then I have them use a hair dryer to dry off the vulva, the intertriginous area, so that they are dry, and then have them powder themselves with cornstarch or baby powder. I think cornstarch is preferable because it does not have a fragrance. And, again, if it has a fragrance, there is a potential for it to be an allergen.

Having the patient use a hair dryer and cornstarch, a washing routine, and acidification with boric acid means that you may never find out what the nature of the problem was, but I guarantee that you will make these patients more comfortable.

There are some potential irritants that you should be taking specific histories about. Opulent soaps are the absolute chief offender. What I recommend is white Dove soap. Another thing that I want to just remind you about is colored toilet paper. The first question for women with persistent urethritis is: What color is the toilet paper in your bathroom? If it is blue, have them change it. And again you will be amazed, and I think you will be gratified, with how some of these seemingly unsolvable mysteries can be solved by considering fairly mundane things: perfumes, spermicides, spermicidal jellies, chlorinated pools, feminine hygiene sprays, deodorant tampons.

I think it is important to discuss candidly with your patients issues like their masturbation habits or whether they have anal intercourse. A substantial proportion of women with recurrent nonspecific bacterial vaginosis who stop having anal intercourse do not have bacterial vaginosis anymore.

—JOHN H. GROSSMAN III, MD

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